

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method for positioning a selected object in an a computer generated original image for display on a display screen, comprising the steps of :

distorting said original image to produce a distorted region for said object at an initial position within said original image, said distorted region including magnification of at least a portion of said object ;
receiving a signal for dragging said object with and said distorted region from said initial position to a desired position within said original image; and,
receiving a signal for dropping said object at said desired position, whereby said distorted region with said magnification facilitates accurate positioning of said object at said desired position said object is accurately positioned .

2. (Currently Amended) The method of claim 1 wherein said step of distorting further includes the steps of :-

creating a lens surface for said distorted region; and,
transforming said original image by applying a distortion function defining said lens surface to said original image to produce said distorted region by displacing said original image onto said distortion function and projecting said displaced original image onto a plane .

3. (Currently Amended) The method of claim 2 wherein said step of creating applying further includes the step of displaying a graphical user interface ("GUI") over said distorted region for receiving one or more signals for adjusting said distortion function lens surface .

4. (Currently Amended) The method of claim 3 wherein said distortion function lens surface includes a focal region having said magnification and a base region at least partially surrounding

said focal region and across which said magnification decreases to that of said original image and said GUI includes at least one of :

a slide bar icon for adjusting said a- magnification for said lens surface ;

a slide bar icon for adjusting a degree of scooping for said distortion function lens surface;

a bounding rectangle icon with at least one handle icon for adjusting a size and a shape for said focal region;

a bounding rectangle icon with at least one handle icon for adjusting a size and a shape for said base region;

a move icon for adjusting a location for said distortion function lens surface within said original image;

a pickup icon for adjusting a location for said base region within said original image; and,

a fold icon for adjusting a location for said focal region relative to said base region.

5. (Original) The method of claim 4 wherein said GUI further includes an attached toolbar.

6. (Original) The method of claim 5 wherein said toolbar includes function selection icons.

7. (Original) The method of claim 5 wherein said toolbar includes function status icons.

8. (Currently Amended) The method of claim 4 wherein said signals for dragging, dropping, and adjusting are received from performed by moving a cursor on said display with a pointing device manipulated by a user .

9. (Currently Amended) The method of claim 8 wherein said cursor is an icon 5 wherein said toolbar includes at least one of:

a pyramidal lens icon for selecting a distortion function having a square base region and a square focal region;

a circular based lens icon for selecting a distortion function having a circular base region;

a circular focused lens icon for selecting a distortion function having a circular focal region;

a pointer icon for selecting points in said original image;

a hand tool icon for selecting a view area in said original image;

a zoom tool icon for zooming into or away from said object;
a measuring tool icon for initiating a measurement function;
a help tool icon for initiating a user help function;
a continuation arrow icon for indicating and scrolling additional toolbar icons into view;
a delete icon for deleting said object;
a printer icon for selecting and indicating a status of a print function;
a floppy disk icon for selecting and indicating a status of a save function;
a redo icon for selecting a redo function;
an undo icon for selecting an undo function;
a resize base icon for selecting a predefined base region resizing function; and,
a resize focus icon for selecting a predefined focal region resizing function .

10. (Currently Amended) The method of claim 8 ~~–9~~ wherein said pointing device is a mouse.

11. (Original) The method of claim 1 wherein said distorted region is on said object.

12. (Original) The method of claim 1 wherein said distorted region overlaps said object.

13. (Original) The method of claim 1 wherein said object is a selection from said original image.

14. (Original) The method of claim 1 wherein said object is an icon.

15. (Original) The method of claim 1 wherein said object is a text selection.

16. (Original) The method of claim 1 wherein said object is a selection from an external source.

17. (Currently Amended) The method of claim 1 wherein said step of dragging further includes the step of cutting said object from said original image.

18. (Currently Amended) The method of claim 1 wherein said step of dropping further includes the step of pasting said object into said original image.

19. (Currently Amended) The method of claim 1 wherein said display screen is a touchscreen display screen of a photograph processing workstation.

20. (Original) The method of claim 19 wherein said workstation is a kiosk.

21. (Original) The method of claim 5 wherein said toolbar includes an icon representing said object.

22. (Original) The method of claim 16 wherein said external source is an image other than said original image.

23. (Original) The method of claim 5 wherein said toolbar is transparent, thereby allowing observation of said original image through said toolbar.

24. (Original) The method of claim 5 wherein said toolbar is translucent.

25. (Currently Amended) A method for generating manipulating a presentation of a region-of-interest within visual information an original image for display on a display screen of a computer, said region-of-interest including a focal region and a base region, said method comprising the steps of :

displaying a toolbar over said region-of-interest ,said toolbar having means for selecting at least one parameter for transforming at least one of adjusting a distortion function for said region-of-interest, —said focal region and said base region; said distortion function having a focal region with a magnification for said region-of-interest at least partially surrounded by a base region across which said magnification decreases to that of said original image; receiving a signal selecting said at least one parameter through from said toolbar with a pointing device ;

transforming said original image visual information in accordance with said a predetermined distortion function as adjusted by and said at least one parameter to produce said presentation transformed visual information ; and,

displaying said presentation transformed visual information on said display screen.

26. (Currently Amended) The method of claim 25 wherein said transforming includes displacing said original image onto said distortion function and projecting said displaced original image onto a plane and wherein said at least one parameter includes at least one of:

- said magnification for said focal region region-of-interest ;
- a size for said focal region;
- a size for said base region;
- a shape for said focal region;
- a shape for said base region;
- a location for said region-of-interest within said original image visual information ;
- a location for said base region within said original image visual information ;
- a location for said focal region relative to said base region; and,
- a degree of scooping between said focal and base regions.

27. (Original) The method of claim 26 wherein said toolbar includes at least one lens icon for selecting said at least one parameter.

28. (Currently Amended) The method of claim 27 wherein said at least one lens icon represents said distortion function transformed visual information .

29. (Currently Amended) The method of claim 28 wherein said at least one lens icon includes at least one of a pyramidal lens icon for selecting said at least one parameter to produce a distortion function having a square base region and a square focal region , a circular based lens icon for selecting said at least one parameter to produce a distortion function having a circular base region , and a circular focused lens icon for selecting said at least one parameter to produce a distortion function having a circular focal region .

30. (Currently Amended) The method of claim 25 29- wherein said toolbar includes at least one of:
a pointer icon for selecting points in said original image visual information ;
a hand tool icon for selecting a view area in said original image visual information ;
a zoom tool icon for zooming into or away from said region-of-interest;

a measuring tool icon for initiating a measurement function;
a help tool icon for initiating a user help function;
a continuation arrow icon for indicating and scrolling additional toolbar icons into view;
a delete icon for deleting said region-of-interest presentation from said transformed visual information ;
a printer icon for selecting and indicating a status of a print function;
a floppy disk icon for selecting and indicating a status of a save function;
a redo icon for selecting a redo function;
an undo icon for selecting an undo function;
a resize base icon for selecting a predefined base region resizing function; and,
a resize focus icon for selecting a predefined focal region resizing function.

31. (Original) The method of claim 30 wherein said toolbar is a horizontal toolbar.

32. (Original) The method of claim 30 wherein said toolbar is a vertical toolbar.

33. (Original) The method of claim 30 wherein said toolbar is distributed over boundaries of said base and focal regions.